

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022189**Date Inspected:** 29-Mar-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Mr. LV Li Qin		
Inspected CWI report:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A

CWI Present:	Yes	No
Rod Oven in Use:	Yes	No
Weld Procedures Followed:	Yes	No
Verified Joint Fit-up:	Yes	No
Approved WPS:	Yes	No
Delayed / Cancelled:	Yes	No

Bridge No: 34-0006**Component:** BAY14 OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Robert A.DeArmond was present during the time noted above and conducted observations relative to the work being performed.

BAY14

Ultrasonic Testing (UT)

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. All components were as listed on NWIT notification no. 08669. The member(s) is/are identified as Traveler Rails. The weld designations reviewed are as follows

TR3001TR2-001-055, 056

TR3002TR2-001-017, 018, 024, 026

TR3008TR2-001-017, 018, 025, 026

TR3001TR1-001-001

TR3001TR2-001-043

WELDING INSPECTION REPORT

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This QA Inspector observed the following work in progress:

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019BB Vertical Shear Plate to Anchor Plate weld number(s) 089. Welder is identified as welder no. 216086. The welding variables recorded by ZPMC QC identified as Wang Xiang Pin appeared to comply with applicable WPS(s)
WPS-B-P-2212-TC-U4b-FCM-1.

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019BB Vertical Shear Plate to Anchor Plate weld number(s) 133. Welder is identified as welder no. 215553. The welding variables recorded by ZPMC QC identified as Wang Xiang Pin appeared to comply with applicable WPS(s)
WPS-B-P-2212-TC-U4b-FCM-1.

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019BB Vertical Shear Plate to Anchor Plate weld number(s) 155. Welder is identified as welder no. 066779. The welding variables recorded by ZPMC QC identified as Wang Xiang Pin appeared to comply with applicable WPS(s)
WPS-B-P-2212-TC-U4b-FCM-1.

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019BB Vertical Shear Plate to Anchor Plate weld number(s) 177. Welder is identified as welder no. 056013. The welding variables recorded by ZPMC QC identified as Wang Xiang Pin appeared to comply with applicable WPS(s)
WPS-B-P-2212-TC-U4b-FCM-1.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

As mentioned above between QA and QC concerning this project

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Jim Devy 150-002-6784, who represents the Office of Structural Materials for your project.

Inspected By:	DeArmond,Robert
Reviewed By:	Riley,Ken

Quality Assurance Inspector

QA Reviewer